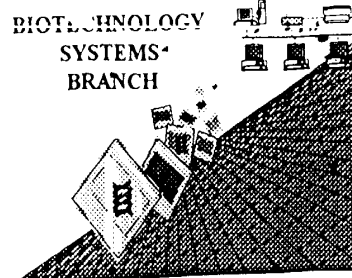


## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09 872 185A  
Source: O I P E  
Date Processed by STIC: 09/20/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.  
PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)  
PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST 25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:  
<http://www.uspto.gov/web/offices/pac/checker>

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 09872185A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length      Sequence(s)          contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)         . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence:  
    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
    (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    This sequence is intentionally skipped  
  
    Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence:  
    <210> sequence id number  
    <400> sequence id number  
    000
- 9      Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
    In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 1/ Use of <220>      Sequence(s)          missing the <220> "Feature" and associated numeric identifiers and responses.  
    Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
    (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n      n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

OIPE

## RAW SEQUENCE LISTING

DATE: 09/20/2001

PATENT APPLICATION: US/09/872,185A

TIME: 14:04:51

Input Set : A:\64080.txt

Output Set: N:\CRF3\09202001\I872185A.raw

3 <110> APPLICANT: Stern, David M.  
 4 Herold, Kevan  
 5 Yan, Shi Du  
 6 Schmidt, Ann Marie  
 7 Lamster, Ira  
 9 <120> TITLE OF INVENTION: METHODS FOR TREATING INFLAMMATION  
 11 <130> FILE REFERENCE: 0575/64080  
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/872,185A  
 14 <141> CURRENT FILING DATE: 2001-06-01  
 16 <160> NUMBER OF SEQ ID NOS: 16  
 18 <170> SOFTWARE: PatentIn version 3.1  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 112  
 22 <212> TYPE: PRT  
 23 <213> ORGANISM: Human  
 25 <400> SEQUENCE: 1  
 27 Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Val Leu Lys Cys  
 28 1 5 10 15  
 31 Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg Leu Glu Trp Lys Leu Asn  
 32 20 25 30  
 35 Thr Gly Arg Thr Glu Ala Trp Lys Val Leu Ser Pro Gln Gly Gly Gly  
 36 35 40 45  
 39 Pro Trp Asp Ser Val Ala Arg Val Leu Pro Asn Gly Ser Leu Phe Leu  
 40 50 55 60  
 43 Pro Ala Val Gly Ile Gln Asp Glu Gly Ile Phe Arg Cys Gln Ala Met  
 44 65 70 75 80  
 47 Asn Arg Asn Gly Lys Glu Thr Lys Ser Asn Tyr Arg Val Arg Val Tyr  
 48 85 90 95  
 51 Gln Ile Pro Gly Lys Pro Glu Ile Val Asp Ser Ala Ser Glu Leu Thr  
 52 100 105 110  
 55 <210> SEQ ID NO: 2  
 56 <211> LENGTH: 332  
 57 <212> TYPE: PRT  
 58 <213> ORGANISM: Human  
 60 <400> SEQUENCE: 2  
 62 Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Val Leu Lys Cys  
 63 1 5 10 15  
 66 Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg Leu Glu Trp Lys Leu Asn  
 67 20 25 30  
 70 Thr Gly Arg Thr Glu Ala Trp Lys Val Leu Ser Pro Gln Gly Gly Gly  
 71 35 40 45  
 74 Pro Trp Asp Ser Val Ala Arg Val Leu Pro Asn Gly Ser Leu Phe Leu  
 75 50 55 60  
 78 Pro Ala Val Gly Ile Gln Asp Glu Gly Ile Phe Arg Cys Gln Ala Met  
 79 65 70 75 80  
 82 Asn Arg Asn Gly Lys Glu Thr Lys Ser Asn Tyr Arg Val Arg Val Tyr  
 83 85 90 95

Data Not Entry  
 Corrected File: 09/20/2001

See page 2 of 7  
 See page 3 of 7

## RAW SEQUENCE LISTING

DATE: 09/20/2001

PATENT APPLICATION: US/09/872,185A

TIME: 14:04:51

Input Set : A:\64080.txt

Output Set: N:\CRF3\09202001\I872185A.raw

```

86 Gln Ile Pro Gly Lys Pro Glu Ile Val Asp Ser Ala Ser Glu Leu Thr
87           100           105           110
90 Ala Gly Val Pro Asn Lys Val Gly Thr Cys Val Ser Glu Gly Ser Tyr
91           115           120           125
94 Pro Ala Gly Thr Leu Ser Trp His Leu Asp Gly Lys Pro Leu Val Pro
95           130           135           140
98 Asn Glu Lys Gly Val Ser Val Lys Glu Gln Thr Arg Arg His Pro Glu
99 145           150           155           160
102 Thr Gly Leu Phe Thr Leu Gln Ser Glu Leu Met Val Thr Pro Ala Arg
103           165           170           175
106 Gly Gly Asp Pro Arg Pro Thr Phe Ser Cys Ser Phe Ser Pro Gly Leu
107           180           185           190
110 Pro Arg His Arg Ala Leu Arg Thr Ala Pro Ile Gln Pro Arg Val Trp
111           195           200           205
114 Glu Pro Val Pro Leu Glu Glu Val Gln Leu Val Val Glu Pro Glu Gly
115           210           215           220
118 Gly Ala Val Ala Pro Gly Gly Thr Val Thr Leu Thr Cys Glu Val Pro
119 225           230           235           240
122 Ala Gln Pro Ser Pro Gln Ile His Trp Met Lys Asp Gly Val Pro Leu
123           245           250           255
126 Pro Leu Pro Pro Ser Pro Val Leu Ile Leu Pro Glu Ile Gly Pro Gln
127           260           265           270
130 Asp Gln Gly Thr Tyr Ser Cys Val Ala Thr His Ser Ser His Gly Pro
131           275           280           285
134 Gln Glu Ser Arg Ala Val Ser Ile Ser Ile Ile Glu Pro Gly Glu Glu
135           290           295           300
138 Gly Pro Thr Ala Gly Ser Val Gly Gly Ser Gly Leu Gly Thr Leu Ala
139 305           310           315           320
142 Leu Ala Leu Gly Ile Leu Gly Gly Leu Gly Thr Ala
143           325           330

```

146 &lt;210&gt; SEQ ID NO: 3

147 &lt;211&gt; LENGTH: 30

148 &lt;212&gt; TYPE: PRT

149 &lt;213&gt; ORGANISM: Artificial Sequence

151 &lt;220&gt; FEATURE:

152 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Peptide

154 &lt;400&gt; SEQUENCE: 3

156 Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Val Leu Lys Cys

157 1

5

10

15

160 Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg Leu Glu Trp Lys

161

20

25

30

164 &lt;210&gt; SEQ ID NO: 4

165 &lt;211&gt; LENGTH: 30

166 &lt;212&gt; TYPE: PRT

167 &lt;213&gt; ORGANISM: Artificial Sequence

169 &lt;220&gt; FEATURE:

170 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Peptide

172 &lt;400&gt; SEQUENCE: 4

174 Gly Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Val Leu Ser Cys

*Entered: FYI: Peptide is insufficient response for the  
223 field. By definition a protein is  
a group of  
peptides or  
poly peptide chains.  
You need to  
describe your artificial sequence.*

*Entered*

The type of errors shown exist throughout  
the Sequence Listing. Please check subsequent  
sequences for similar errors.

## RAW SEQUENCE LISTING

DATE: 09/20/2001

PATENT APPLICATION: US/09/872,185A

TIME: 14:04:51

Input Set : A:\64080.txt

Output Set: N:\CRF3\09202001\I872185A.raw

```

175 1          5          10          15
178 Lys Gly Ala Pro Lys Lys Pro Pro Gln Gln Leu Glu Trp Lys
179          20          25          30
182 <210> SEQ ID NO: 5
183 <211> LENGTH: 30
184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
190 <400> SEQUENCE: 5
192 Gly Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Met Leu Ser Cys
193 1          5          10          15
196 Lys Ala Ala Pro Lys Lys Pro Thr Gln Lys Leu Glu Trp Lys
197          20          25          30
200 <210> SEQ ID NO: 6
201 <211> LENGTH: 30
202 <212> TYPE: PRT
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
208 <400> SEQUENCE: 6
210 Asp Gln Asn Ile Thr Ala Arg Ile Gly Lys Pro Leu Val Leu Asn Cys
211 1          5          10          15
214 Lys Gly Ala Pro Lys Lys Pro Pro Gln Gln Leu Glu Trp Lys
215          20          25          30
218 <210> SEQ ID NO: 7
219 <211> LENGTH: 30
220 <212> TYPE: PRT
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
226 <400> SEQUENCE: 7
228 Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Val Leu Lys Cys
229 1          5          10          15
232 Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg Leu Glu Trp Lys
233          20          25          30
236 <210> SEQ ID NO: 8
237 <211> LENGTH: 10
238 <212> TYPE: PRT
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
244 <400> SEQUENCE: 8
246 Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu
247 1          5          10
250 <210> SEQ ID NO: 9
251 <211> LENGTH: 50
252 <212> TYPE: PRT
253 <213> ORGANISM: Bovine

```

*Peptide is insufficient response for the 223 field. By definition a protein is a group of peptides or polypeptide chains. Please describe your artificial sequence.* MHT

*Errored*

*Errored*

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/872,185A

DATE: 09/20/2001

TIME: 14:04:51

Input Set : A:\64080.txt

Output Set: N:\CRF3\09202001\I872185A.raw

```

255 <220> FEATURE:
256 <221> NAME/KEY: MISC_FEATURE
257 <222> LOCATION: (47)..(47)
258 <223> OTHER INFORMATION: Where Xaa = unknown
261 <400> SEQUENCE: 9
263 Thr Lys Leu Glu Asp His Leu Glu Gly Ile Ile Asn Ile Gly His Gln
264 1 5 10 15
267 Tyr Ser Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Tyr Glu Leu
268 20 25 30
W--> 271 Lys Gln Leu Gly Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Xaa Lys
272 35 40 45
275 Asp Gln
276 50
279 <210> SEQ ID NO: 10
280 <211> LENGTH: 18
281 <212> TYPE: PRT
282 <213> ORGANISM: Bovine
284 <400> SEQUENCE: 10
286 Asp Gly Ala Val Ser Phe Glu Glu Phe Val Val Leu Val Ser Arg Val
287 1 5 10 15
290 Leu Lys
294 <210> SEQ ID NO: 11
295 <211> LENGTH: 90
296 <212> TYPE: PRT
297 <213> ORGANISM: Bovine
299 <400> SEQUENCE: 11
301 Thr Lys Leu Glu Asp His Leu Glu Gly Ile Ile Asn Ile Phe His Gln
302 1 5 10 15
305 Tyr Ser Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Arg Glu Leu
306 20 25 30
309 Lys Gln Leu Ile Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Thr Lys
310 35 40 45
313 Asp Gln Pro Thr Ile Asp Lys Ile Phe Gln Asp Leu Asp Ala Asp Lys
314 50 55 60
317 Asp Gly Ala Val Ser Phe Glu Glu Phe Val Val Leu Val Ser Arg Val
318 65 70 75 80
321 Leu Lys Thr Ala His Ile Asp Ile His Lys
322 85 90
325 <210> SEQ ID NO: 12
326 <211> LENGTH: 90
327 <212> TYPE: PRT
328 <213> ORGANISM: Bovine
330 <400> SEQUENCE: 12
332 Thr Lys Leu Glu Asp His Leu Glu Gly Ile Ile Asn Ile Phe His Gln
333 1 5 10 15
336 Tyr Ser Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Arg Glu Leu
337 20 25 30
340 Lys Gln Leu Ile Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Thr Lys
341 35 40 45

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/872,185A

DATE: 09/20/2001

TIME: 14:04:51

Input Set : A:\64080.txt

Output Set: N:\CRF3\09202001\I872185A.raw

344 Asp Gln Pro Thr Ile Asp Lys Ile Phe Gln Asp Leu Asp Ala Asp Lys  
 345       50                               55                               60  
 348 Asp Gly Ala Val Ser Phe Glu Glu Phe Val Val Leu Val Ser Arg Val  
 349 65                               70                               75                               80  
 352 Leu Lys Thr Ala His Ile Asp Ile His Lys  
 353                               85                               90  
 356 <210> SEQ ID NO: 13  
 357 <211> LENGTH: 21  
 358 <212> TYPE: DNA  
 359 <213> ORGANISM: Artificial Sequence  
 361 <220> FEATURE:  
 362 <223> OTHER INFORMATION: Description of Artificial Sequence: Sense Primer  
 364 <400> SEQUENCE: 13  
 365 gtaagcgggg ctctgttgc a  
 368 <210> SEQ ID NO: 14  
 369 <211> LENGTH: 21  
 370 <212> TYPE: DNA  
 371 <213> ORGANISM: Artificial Sequence  
 373 <220> FEATURE:  
 374 <223> OTHER INFORMATION: Description of Artificial Sequence: Antisense Primer  
 376 <400> SEQUENCE: 14  
 377 ggccaaggct ggggttgaag g  
 380 <210> SEQ ID NO: 15  
 381 <211> LENGTH: 9  
 382 <212> TYPE: PRT  
 383 <213> ORGANISM: Artificial Sequence  
 385 <220> FEATURE:  
 386 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide  
 388 <400> SEQUENCE: 15  
 390 Ala Ser Gln Arg Lys Pro Ser Gln Arg  
 391 1                               5  
 394 <210> SEQ ID NO: 16  
 395 <211> LENGTH: 395  
 396 <212> TYPE: DNA  
 397 <213> ORGANISM: Bovine  
 399 <400> SEQUENCE: 16  
 400 atgactaagc tggaggacca cctggaggga atcatcaaca tcttccacca gtactccgtt       60  
 402 cgggtggggc atttcgacac cctcaacaag cgtgagctga agcagctgat cacaaggga       120  
 404 acttcccaaa accctccaga acaccaaaga ccaacctacc attgacaaaa tattccaaga       180  
 406 cctggatgcc gataaagacg gagccgtcag ctttgaggaa ttcgtagtcc tgggtgtccag       240  
 408 ggtgctgaaa acagcccaca tagatatcca caaagagtag gtttccagca atgttcccaa       300  
 410 gaagacttac ctttctcctc cctgaggctg ctcccagagg gagagagaat tataaacgta       360  
 412 ctttgcaaaa ttcttagcaa aaaaaaaaaa aaaaa       395

good

21

21

Error

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/872,185A

DATE: 09/20/2001

TIME: 14:04:52

Input Set : A:\64080.txt

Output Set: N:\CRF3\09202001\I872185A.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9



## STATISTICS SUMMARY

PATENT APPLICATION: US/09/872,185A

DATE: 09/20/2001

TIME: 14:04:52

Input Set : A:\64080.txt

Output Set: N:\CRF3\09202001\I872185A.raw

Application Serial Number: US/09/872,185A

Alpha or Numeric: Numeric

Application Class:

Application File Date: 06-01-2001

Art Unit: OIPE

Software Application: PatentIn

Total Number of Sequences: 16

Total Nucleotides: 437

Total Amino Acids: 861

Number of Errors: 0

Number of Warnings: 1

Number of Corrections: 1

## MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)

341 W: 1 ((46) "n" or "Xaa" used)